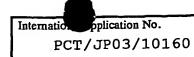
PCT/JP03/10160

A. CLASS Int.	IFICATION OF SUBJECT MATTER C1' C07H15/20, 15/203, A61K31/7 43/00	7034, 45/06, A61P3/10,	13/12,			
According to	According to International Patent Classification (IPC) or to both national classification and IPC					
	SEARCHED					
Int.	Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ C07H15/00-15/203, A61K31/00-31/80, 45/00-45/06, A61P1/00-43/00					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS (STN), REGISTRY (STN), WPI (DIALOG)						
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		,.			
Category*	· Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.			
A	BOZO, E. et al., Synthesis of and 4-nitrophenyl 1,5-dithio-arabinopyranosides posessing activity., Carbohydrate Reseapages 191 to 202	L- and -D- antithrombotic	1-18			
·A	RANDELL, K.D. et al., Synthes inhibitory activity of 5-thic Molecular modeling of complex Carbohydrate Research, 1999,	1-18				
A	YUASA, H. et al., Relative Nucleophilicity of the Two Sulfur Atoms in 1,5-Dithioglucopyranoside., Angew.Chem.Int.Ed.Engl., 1997, 36(8), pages 868 to 870		1-18			
			·			
1-	ner documents are listed in the continuation of Box C.	See patent family annex.				
"A" docum consid "E" earlier date "L" docum cited to specia "O" docum means "P" docum than ti	al categories of cited documents: the tend defining the general state of the art which is not dered to be of particular relevance document but published on or after the international filing the ment which may throw doubts on priority claim(s) or which is to establish the publication date of another citation or other all reason (as specified) the treferring to an oral disclosure, use, exhibition or other and the published prior to the international filing date but later the priority date claimed actual completion of the international search September, 2003 (30.09.03)	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 14 October, 2003 (14.10.03)				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer . Telephone No.				

Form PCT/ISA/210 (second sheet) (July 1998)

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INTERNATIONAL ARCH REPORT



ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/16147 Al (Kissei Pharmaceutical Co., Ltd.), 08 March, 2001 (08.03.01), & AU 200067275 A & EP 1213296 Al & NO 200200968 A & BR 200013667 A & CZ 200200665 A3 & KR 2002033781 A & SK 200200287 A3 & CN 1377363 A & HU 200203190 A2 & NZ 517439 A & ZA 200201991 A	1-18
A	WO 01/68660 A1 (Kissei Pharmaceutical Co., Ltd.), 20 September, 2001 (20.09.01), & AU 200141146 A & NO 200204424 A & BR 200109323 A & EP 1270584 A1 & KR 2002086649 A & CZ 200203023 A3 & HU 200300057 A2 & SK 200201297 A3 & CN 1418219 A	1-18
A	WO 01/74834 A1 (BRISTOL-MYERS SQUIBB CO.), 11 October, 2001 (11.10.01), & AU 200149598 A & US 2002/0111315 A1 & NO 200204642 A & CZ 200203233 A3 & EP 1268502 A1 & KR 2003007488 A	1-18
A	WO 01/74835 A1 (BRISTOL-MYERS SQUIBB CO.), 11 October, 2001 (11.10.01), & AU 20149599 A & US 2002/0052326 A1 & EP 1268503 A1 & US 6555519 B2	1-18
A	WO 02/36602 A1 (Ajinomoto Co., Inc.), 10 May, 2002 (10.05.02), & EP 1338603 A1 & AU 200210990 A	1–18
A	WO 02/053573 Al (Kissei Pharmaceutical Co., Ltd.), 11 July, 2002 (11.07.02), (Family: none)	1~18
A	JP 10-237089 A (Tanabe Seiyaku Co., Ltd.), 08 September, 1998 (08.09.98), & EP 850948 A1 & NO 9706072 A & AU 9748416 A & ZA 9711560 A & CA 2225439 A & HU 9702534 A2 & BR 9706471 A & SG 56027 A1 & KR 98064710 A & US 6048842 A & IL 122666 A & MX 9800067 A1 & CN 1190097 A & TW 406086 A	1~18

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A. 発明の属する分野の分類(国際特許分類(IPC)) Int. Cl' C07H15/20, 15/203, A61K31/7034, 45/06, A61P3/10, 13/12, 43/00						
B. 調査を行った分野						
問査を行った最小限資料 (国際特許分類 (IPC)) Int. Cl' C07H15/00-15/203, A61K31/00-31/80, 45/00-45/06, A61P1/00-43/00						
最小限資料以外の資料で調査を行った分野に含まれるもの						
国際調査で使用した電子データベース(データベースの名称、調査に使用した用語) CAPLUS (STN), REGISTRY (STN), WPI (DIALOG)						
C. 関連する	と認められる文献		THIN I W			
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連すると	きは、その関連する箇所の表示	関連する 請求の範囲の番号			
A	BOZO, E., et al. Synthesis of 4 phenyl 1,5-dithio-L- and -D-ara antithrombotic activity. Carbohy pp. 191-202 RANDELL, K. D., et al. Synthesis activity of 5-thioglucopyranosyl	drate Research, 1998, 311, and glycosides inhibitory	1-18			
	of complexes with glucoamilase. C 321, pp. 143-156	Carbohydrate Research, 1999,				
図 C欄の続き	きにも文献が列挙されている。	□ パテントファミリーに関する別	紙を参照。			
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日期に関連のある文献であるではなく、発明の選集に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献「P」国際出願日前で、かつ優先権の主張の基礎となる出願 「&」同一パテントファミリー文献			発明の原理又は理論 当該文献のみで発明 えられるもの 当該文献と他の1以 自明である組合せに			
国際調査を完	了した日 30.09.03	国際調査報告の発送日 14.10.0	3			
国際調査機関の名称及びあて先 日本国特許庁(ISA/JP) 郵便番号100-8915 東京都千代田区霞が関三丁目4番3号		特許庁審査官(権限のある職員) 荒木英則 電話番号 03-3581-1101				

	国际嗣全報告		
C(続き).	関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときに	は、その関連する箇所の表示	関連する 請求の範囲の番号
A	YUASA, H. et al. Relative Nucleophilicity of the Two Sulfur Atoms in 1,5-Dithioglucopyranoside. Angew. Chem. Int. Ed. Engl., 1997, 36(8), pp. 868-870		1-18
A	WO 01/16147 A1(キッセイ薬品工業株式会社) 2001.03.08, & AU 200067275 A & EP 1213296 A1 & NO 200200968 A & BR 200013667 A & CZ 200200665 A3 & KR 2002033781 A & SK 200200287 A3 & CN 1377363 A & HU 200203190 A2 & NZ 517439 A & ZA 200201991 A		1-18
A	WO 01/68660 A1(キッセイ薬品工業株式会社) 2001.09.20, & AU 200141146 A & NO 200204424 A & BR 200109323 A & EP 1270584 A1 & KR 2002086649 A & CZ 200203023 A3 & HU 200300057 A2 & SK 200201297 A3 & CN 1418219 A		1-18
A	WO 01/74834 A1 (BRISTOL-MYERS SQUIBB CO & AU 200149598 A & US 2002/0111315 A1 200203233 A3 & EP 1268502 A1 & KR 2003	& NO 200204642 A & CZ	1-18
A	WO 01/74835 A1 (BRISTOL-MYERS SQUIBB C & AU 20149599 A & US 2002/0052326 A1 & US 6555519 B2		1-18
A	WO 02/36602 A1(味の素株式会社) 2002.0 & EP 1338603 A1 & AU 200210990 A	5. 10,	1-18
A	WO 02/053573 A1(キッセイ薬品工業株式会(ファミリーなし)	会社)2002.07.11	1-18
A	JP 10-237089 A(田辺製薬株式会社) 1998 & EP 850948 A1 & NO 9706072 A & AU 97 & CA 2225439 A & HU 9702534 A2 & BR 9 & KR 98064710 A & US 6048842 A & IL 1 & CN 1190097 A & TW 406086 A	48416 A & ZA 9711560 A 706471 A & SG 56027 A1	1-18
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